

No Amendments are made in this response. Therefore, this listing of claims is provided for the convenience of the Examiner:

**Listing of Claims:**

1. (Original) A method for targeted gene repair, comprising  
contacting a non-repaired target RNA with an RNA oligonucleotide complex comprising a first oligonucleotide and a second oligonucleotide, said first oligonucleotide comprising a sequence complementary to a repaired target RNA, wherein the RNA sequence of the first oligonucleotide comprises an RNase H-resistant modification, and said second oligonucleotide comprises an RNA sequence complementary to at least 6 nucleotides of the first oligonucleotide at the site in the sequence of the first oligonucleotide which is not complementary to the non-repaired target RNA; and  
hybridizing said complex to said non-repaired target RNA in the presence of an RNase, wherein a repaired RNA is produced.
2. (Original) The method of claim 1, wherein the repaired target RNA comprises a wild-type sequence.
3. (Original) The method of claim 2, wherein the non-repaired target RNA comprises a mutation compared to said wild type sequence.
4. (Original) The method of claim 3, wherein said mutation is a substitution, deletion or insertion of at least one base pair compared to said wild type sequence.
5. (Original) The method of claim 1, further comprising, preceding the steps of claim 1, contacting the non-repaired target RNA with a phosphorothioate (PS) containing sequence comprising a deoxynucleotide with RNase H resistant flanking ends.
6. (Original) The method of claim 1, wherein said RNase H-resistant modification is the addition of a 2-O-methyl moiety.

7. (Original) The method of claim 1, wherein said first oligonucleotide is at least 10 nucleotides in length.
8. (Original) The method of claim 7, wherein said first oligonucleotide comprises about 33 nucleotides.
9. (Original) The method of claim 1, wherein said second oligonucleotide comprises at least 7 nucleotides.
10. (Original) The method of claim 9, wherein said second oligonucleotide comprises about 11 nucleotides.
11. (Original) The method of claim 1, wherein said first oligonucleotide and said second oligonucleotide are annealed.
12. (Original) The method of claim 1, wherein contacting said target RNA occurs within a cell.
13. (Original) The method of claim 12, wherein said cell is *in vitro*, *ex vivo* or *in vivo*.
14. (Original) The method of claim 12, wherein said cell is a human cell.
15. (Original) A method for treating or ameliorating a symptom of cystic fibrosis in a subject in need thereof, comprising  
administering an RNA oligonucleotide complex directed to a non-repaired target RNA, said complex comprising a first oligonucleotide and a second oligonucleotide, said first oligonucleotide comprising a sequence complementary to a repaired target RNA, wherein the RNA sequence of the first oligonucleotide comprises an RNase H-resistant modification, and said second oligonucleotide comprises an RNA sequence complementary to at least 6 nucleotides

of the first oligonucleotide at the site on the sequence of the first oligonucleotide which is not complementary to the non-repaired target RNA; and

wherein administration produces a repaired targeted RNA, thereby treating or ameliorating symptom of cystic fibrosis.

16. (Original) The method of claim 15, wherein the repaired target RNA comprises a wild-type sequence.

17. (Original) The method of claim 16, wherein the non-repaired target RNA comprises a mutation compared to said wild type sequence.

18. (Original) The method of claim 17, wherein said mutation is a substitution, deletion or insertion of at least one base pair compared to said wild type sequence.

19. (Original) The method of claim 15, further comprising, preceding the steps of claim 15, administering a phosphorothioate (PS) containing sequence comprising a deoxynucleotide with RNase H resistant flanking ends.

20. (Original) The method of claim 15, wherein said RNase H-resistant modification is the addition of a 2-O-methyl moiety.

21. (Original) The method of claim 15, wherein said first oligonucleotide is at least 10 nucleotides in length.

22. (Original) The method of claim 21, wherein said first oligonucleotide comprises about 33 nucleotides.

23. (Original) The method of claim 15, wherein said second oligonucleotide comprises at least 7 nucleotides.

APPLICANT: Tabatadze et al.  
U.S.S.N.: 10/594,829

24. (Original) The method of claim 23, wherein said second oligonucleotide comprises about 11 nucleotides.

25. (Original) The method of claim 15, wherein said first oligonucleotide and said second oligonucleotide are annealed.

26. (Original) An RNA oligonucleotide complex for modulating the expression or activity of a cystic fibrosis transmembrane conductance regulator (CFTR) gene product, the complex comprising a first oligonucleotide and a second oligonucleotide, said first oligonucleotide comprising the nucleic acid sequence of SEQ ID NO: 1 and said second oligonucleotide comprising the nucleic acid sequence of SEQ ID NO: 2, wherein said first and second oligonucleotide are annealed.

27-40. (Cancelled)